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DB=PGPB,USPT; PLUR=YES; OP=ADJ			
L12	L11 and ((list or map or table) near6 (mirror$4 or redundant$3) with (name or label$4))	7	L12
L11	L9 or 18	2442	L11
L10	L9 and 18	257	L10
L9	707/204.ccls.	1364	L9
L8	(711/162).ccls.	1335	L8
DB=USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ			
L7	(list or map$4 or table) near6 (mirror$4 or redundant$3) with (name or label$4)	14	L7
DB=PGPB,USPT; PLUR=YES; OP=ADJ			
L6	(((list or map or table) near6 (mirror$4 or redundant$3) with (name or label$4)) and ((list$3 or map$4 or table) near6 physical)).clm.	1	L6
L5	L4 and ((list or map or table) near6 (mirror$4 or redundant$3) with (name or label$4))	11	L5
L4	(711/112,114,202).ccls.	4607	L4
L3	L2 and 11	26	L3
L2	(list$3 or map$4 or table) near6 physical	49316	L2
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(((list or map$ or table) <near/6> (mirror$ or redundant$) <sentence> (name or label$ Search

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» Key   Display Format: ◉ Citation   ○ Citation & Abstract

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

view selected items   Select All Deselect All

☐ 1. **An efficient digital search algorithm by using a double-array structure**
Aoe, J.-I.; Yasutome, S.; Sato, T.;
Computer Software and Applications Conference, 1988. COMPSAC 88. Proce
International
5-7 Oct. 1988 Page(s):472 - 479
Digital Object Identifier 10.1109/CMPSAC.1988.17222

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Terms used
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Best 200 shown   Relevance scale ☐ ⌷ ⌷ ⌷ ▦

1 Special issue on knowledge representation
Ronald J. Brachman, Brian C. Smith
February 1980 **ACM SIGART Bulletin**, Issue 70
Publisher: ACM Press
Full text available: 🗎 pdf(13.13 MB)   Additional Information: full citation, abstract

> In the fall of 1978 we decided to produce a special issue of the SIGART Newsletter
> devoted to a survey of current knowledge representation research. We felt that there
> were twe useful functions such an issue could serve. First, we hoped to elicit a clear
> picture of how people working in this subdiscipline understand knowledge representation
> research, to illuminate the issues on which current research is focused, and to catalogue
> what approaches and techniques are currently being developed. Secon ...

2 Fast detection of communication patterns in distributed executions
Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced
          Studies on Collaborative research**
Publisher: IBM Press
Full text available: 🗎 pdf(4.21 MB)   Additional Information: full citation, abstract, references, index terms

> Understanding distributed applications is a tedious and difficult task. Visualizations based
> on process-time diagrams are often used to obtain a better understanding of the
> execution of the application. The visualization tool we use is Poet, an event tracer
> developed at the University of Waterloo. However, these diagrams are often very complex
> and do not provide the user with the desired overview of the application. In our
> experience, such tools display repeated occurrences of non-trivial commun ...

3 Document Formatting Systems: Survey, Concepts, and Issues
Richard Furuta, Jeffrey Scofield, Alan Shaw
September 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 3
Publisher: ACM Press
Full text available: 🗎 pdf(5.36 MB)   Additional Information: full citation, references, citings, index terms

4 User interfaces: Semantic database mapping in EUFID
John F. Burger
May 1980 **Proceedings of the 1980 ACM SIGMOD international conference on
          Management of data SIGMOD '80**
Publisher: ACM Press
Full text available: 🗎 pdf(799.09 KB)   Additional Information: full citation, abstract, references, citings

> The End-User Friendly Interface to Data Management (EUFID) is a processing system of
> programs which permits users to query a database in a natural English-like way. The

EUFID system translates the user's question into a query expressed in the query language of the target DataBase Management System (DBMS). EUFID makes use of two very different views of the applications data: that of the users, and that of the DBMS. This paper describes the mapping of query statements from one view to the other. M ...

5 Translator writing systems

Jerome Feldman, David Gries

February 1968 **Communications of the ACM**, Volume 11 Issue 2

Publisher: ACM Press

Full text available: pdf(4.47 MB)   Additional Information: full citation, abstract, references, citings

A critical review of recent efforts to automate the writing of translators of programming languages is presented. The formal study of syntax and its application to translator writing are discussed in Section II. Various approaches to automating the postsyntactic (semantic) aspects of translator writing are discussed in Section III, and several related topics in Section IV.

Keywords: compiler compiler-compiler, generator, macroprocessor, meta-assembler, metacompiler, parser, semantics, syntactic analysis, syntax, syntax-directed, translator, translator writing system

6 Technique for automatically correcting words in text

Karen Kukich

December 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 4

Publisher: ACM Press

Full text available: pdf(6.23 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

Research aimed at correcting words in text has focused on three progressively more difficult problems:(1) nonword error detection; (2) isolated-word error correction; and (3) context-dependent work correction. In response to the first problem, efficient pattern-matching and n-gram analysis techniques have been developed for detecting strings that do not appear in a given word list. In response to the second problem, a variety of general and application-specific spelling cor ...

Keywords: n-gram analysis, Optical Character Recognition (OCR), context-dependent spelling correction, grammar checking, natural-language-processing models, neural net classifiers, spell checking, spelling error detection, spelling error patterns, statistical-language models, word recognition and correction

7 Information storage and retrieval: a survey and functional description

Jack Minker

September 1977 **ACM SIGIR Forum**, Volume 12 Issue 2

Publisher: ACM Press

Full text available: pdf(5.14 MB)   Additional Information: full citation, abstract, references

Information Storage and Retrieval (IS&R) encompasses a broad scope of topics ranging from basic techniques for accessing data to sophisticated approaches for the analysis of natural language text and the deduction of information. Within the field, three general areas of investigation can be distinguished not only by their subject matter but also by the types of individuals presently interested in them:(1) Document retrieval,(2) Generalized data management, and(3) Question-answering.A functional ...

Keywords: automatic indexing, data management, data structures, deductive search, information retrieval, natural language, problem solving, question-answering, relational data systems, theorem proving

8 ViSWeb—the Visual Semantic Web: unifying human and machine knowledge representations with Object-Process Methodology

Dov Dori

Full text available: pdf(1.22 MB)   Additional Information: full citation, abstract, index terms

The Visual Semantic Web (ViSWeb) is a new paradigm for enhancing the current Semantic
Web technology. Based on Object-Process Methodology (OPM), which enables modeling of
systems in a single graphic and textual model, ViSWeb provides for representation of
knowledge over the Web in a unified way that caters to human perceptions while also
being machine processable. The advantages of the ViSWeb approach include equivalent
graphic-text knowledge representation, visual navigability, semantic sentenc ...

Keywords: Conceptual graphs, Knowledge representation, Object-Process Methodology,
Semantic Web, Visual Semantic Web

9 A method of geographical name extraction from Japanese text for thematic
geographical search

Yasusi Kanada
Full text available: pdf(1.28 MB)   Additional Information: full citation, abstract, references, index terms

A text retrieval method called the thematic geographical search method has been
developed and applied to a Japanese encyclopedia called the World Encyclopædia. In this
method, the user specifies a search theme using free words, then obtains a sorted list of
excerpts and hyperlinks to encyclopedia sentences that contain geographical names.
Using this list, the user can also open maps that indicate the locations of the names. To
generate an index of names for this searching, a method of ...

10 40 years later .... a new engine to handle an operating system infrastructure

Jean-Louis Lafitte
Full text available: pdf(212.01 KB)   Additional Information: full citation, references

11 A dictionary of APL

Kenneth E. Iverson
Full text available: pdf(3.34 MB)   Additional Information: full citation, citings, index terms

12 Document searching, document annotation, and document metadata: Prefiltering
techniques for efficient XML document processing

Chia-Hsin Huang, Tyng-Ruey Chuang, Hahn-Ming Lee
Full text available: pdf(442.96 KB)   Additional Information: full citation, abstract, references, index terms

Document Object Model (DOM) and Simple API for XML (SAX) are the two major
programming models for XML document processing. Each, however, has its own efficiency
limitation. DOM assumes an in-core representation of XML documents which can be
problematic for large documents. SAX needs to scan over the document in a linear
manner in order to locate the interesting fragments. Previously, we have used tree-to-
table mapping and indexing techniques to help answer structural queries to large, or large
c ...

Keywords: DOM, SAX, prefiltering, structural query, two-phased XML processing model

13 Spoken dialogue technology: enabling the conversational user interface

Michael F. McTear

March 2002 **ACM Computing Surveys (CSUR)**, Volume 34 Issue 1

Publisher: ACM Press

Full text available: pdf(987.69 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

Spoken dialogue systems allow users to interact with computer-based applications such as databases and expert systems by using natural spoken language. The origins of spoken dialogue systems can be traced back to Artificial Intelligence research in the 1950s concerned with developing conversational interfaces. However, it is only within the last decade or so, with major advances in speech technology, that large-scale working systems have been developed and, in some cases, introduced into commerc ...

Keywords: Dialogue management, human computer interaction, language generation, language understanding, speech recognition, speech synthesis

14 Transfinite nesting in array-theoretic figures, changes, rigs, and arms. Part I

Trenchard More

September 1993 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL APL '93**, Volume 24 Issue 1

Publisher: ACM Press

Full text available: pdf(1.95 MB)   Additional Information: full citation, abstract, references, index terms

Nesting and stemming (infinite successive singling) of arrays of nestings and stemmings result in forms. Forms of 0th-, 1st-, 2nd-, or 3rd-order, array-theoretic, totally defined functions are again such functions, called, respectively, figures, changes, rigs, and arms. One arms a rig before rigging a change before changing a figure. Part I lays the foundation for a new approach to a theory of arrays. This Part considers the analogy between array-theoretic and Euclidean figures, analyzes form se ...

Keywords: APL2, Nial, array theory, formal systems, function arrays, nested arrays

15 Programming languages for non-numeric processing—2: An introduction to the COGENT programming system

J. C. Reynolds

August 1965 **Proceedings of the 1965 20th national conference**

Publisher: ACM Press

Full text available: pdf(943.80 KB)   Additional Information: full citation, abstract, references, citings, index terms

THE COGENT (COmpiler and GENeralized Translator) programming system is a compiler whose input language is designed to describe symbolic or linguistic manipulation algorithms. Although the system is intended primarily for use as a compiler compiler, it is also applicable to such problem areas as algebraic manipulation, mechanical theorem-proving, and heuristic programming. In designing the system the major objective has been to unify the concept of syntax-directed compilation

16 Generating English discourse from semantic networks

R. Simmons, J. Slocum

October 1972 **Communications of the ACM**, Volume 15 Issue 10

Publisher: ACM Press

Full text available: pdf(2.99 MB)   Additional Information: full citation, references, citings

Keywords: deep case relations, discourse generation, grammars, semantic generation, semantic nets

Domain-independent natural language interfaces: Problems in natural-language interface to DBMS with examples from EUFID

Marjorie Templeton, John Burger

February 1983 **Proceedings of the first conference on Applied natural language processing**

Publisher: Association for Computational Linguistics
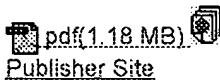
Full text available: pdf(1.18 MB) Additional Information: full citation, abstract, references, citings
Publisher Site

For five years the End-User Friendly Interface to Data management (EUFID) project team at System Development Corporation worked on the design and implementation of a Natural-Language Interface (NLI) system that was to be independent of both the application and the database management system. In this paper we describe application, natural-language and database management problems involved in NLI development, with specific reference to the EUFID system as an example.


18 A model for multimodal reference resolution

Luis Pineda, Gabriela Garza

June 2000 **Computational Linguistics**, Volume 26 Issue 2

Publisher: MIT Press
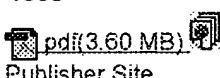
Full text available: pdf(3.60 MB) Additional Information: full citation, abstract, references
Publisher Site

An important aspect of the interpretation of multimodal messages is the ability to identify when the same object in the world is the referent of symbols in different modalities. To understand the caption of a picture, for instance, one needs to identify the graphical symbols that are referred to by names and pronouns in the natural language text. One way to think of this problem is in terms of the notion of anaphora; however, unlike linguistic anaphoric inference, in which antecedents for pronou ...

19 User Studies: Detecting and Browsing Events in Unstructured text

David A. Smith

August 2002 **Proceedings of the 25th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press
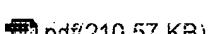
Full text available: pdf(210.57 KB) Additional Information: full citation, abstract, references, citings, index terms

Previews and overviews of large, heterogeneous information resources help users comprehend the scope of collections and focus on particular subsets of interest. For narrative documents, questions of "what happened? where? and when?" are natural points of entry. Building on our earlier work at the Perseus Project with detecting terms, place names, and dates, we have exploited co-occurrences of dates and place names to detect and describe likely events in document collections. We compare statistic ...

Keywords: information extraction, interactive IR, visualization

20 Circumscription with homomorphisms: solving the equality and counterexample problems

Peter K. Rathmann, Marianne Winslett, Mark Manasse

September 1994 **Journal of the ACM (JACM)**, Volume 41 Issue 5

Publisher: ACM Press
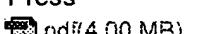
Full text available: pdf(4.00 MB) Additional Information: full citation, abstract, references, index terms

One important facet of common-sense reasoning is the ability to draw default conclusions about the state of the world, so that one can, for example, assume that a given bird flies in the absence of information to the contrary. A deficiency in the circumscriptive approach to common-sense reasoning has been its difficulties in producing default that Tweety $\neq$ Blutto using ordinary circumscription, or conclude by default that a particular bird fl ...

Keywords: circumscription, common sense reasoning